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DIALOG(R)File 351:Derwent WPI

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Fuel electrode prodn for high temp fuel cell - by laser fusion spraying metal on stabilised zircon A in inert gas

Patent Assignee: AGENCY OF IND SCI & TECHNOLOGY (AGEN)

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 7057739	A	19950303	JP 93216999	A	19930809	199518 B
JP 2810973	B2	19981015	JP 93216999	A	19930809	199846

Priority Applications (No Type Date): JP 93216999 A 19930809

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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JP 7057739	A	4		H01M-004/88	
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JP 2810973	B2	5		H01M-004/88	Previous Publ. patent JP 7057739
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Abstract (Basic): JP 7057739 A

Electrode forming metal is laser fusion sprayed on the surface of a solid state electrolyte made of stabilised zirconia in an inert gas atmos. to form an electrode covering film.

ADVANTAGE - Method produces homogeneous and thin porous metal covering film having improved and durable heat stability and adhesiveness.

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Title Terms: FUEL; ELECTRODE; PRODUCE; HIGH; TEMPERATURE; FUEL; CELL; LASER ; FUSE; SPRAY; METAL; STABILISED; ZIRCON; INERT; GAS

Derwent Class: L03; M13; X16

International Patent Class (Main): H01M-004/88

International Patent Class (Additional): C23C-004/08; C23C-004/12;

C23C-014/48; H01M-004/86; H01M-008/02; H01M-008/12

File Segment: CPI; EPI

Manual Codes (CPI/A-N): L03-E04B; M13-C

Manual Codes (EPI/S-X): X16-E06A

Derwent Registry Numbers: 1521-U